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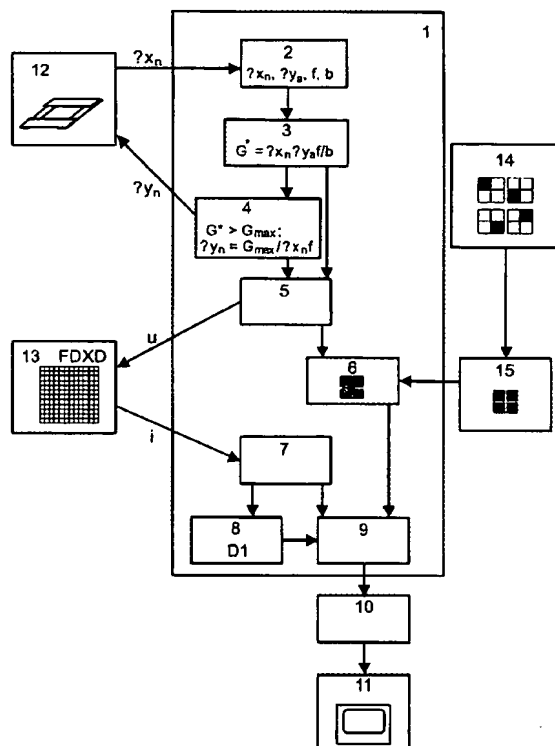
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(54) Title: METHOD AND DEVICE FOR GENERATING SUB-IMAGES



(57) Abstract: The invention relates to the generating of images by means of a two-dimensional field of image sensors, notably by means of a flat dynamic X-ray detector FDXD. In order to adhere to with the maximum data rate  $G_{max}$  of an evaluation unit (1) it is necessary to satisfy the relation  $x \cdot y/b \leq G_{max}$  between the width  $x$  and the height  $y$  of a sub-region of the image sensor read out, the imaging rate  $f$  and the binning factor  $b$ . In conformity with the method, parameters defining the size, position and/or shape of the sub-region can be preset at will, the other variables of the inequality being adapted, if necessary, in such a manner that the inequality remains satisfied. In the context of the method there is also performed a mosaic calibration during which calibration images of the complete image sensor are composed from calibration images of sub-regions.

WO 2004/032484 A1



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